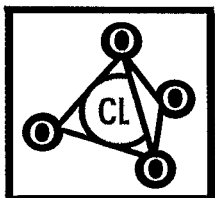


INTERAGENCY PERCHLORATE STEERING COMMITTEE

August 18, 1998



I P S C

Dear Stakeholder,

Thank you for registering to attend the Perchlorate Stakeholders Forum in Phoenix, Arizona on Thursday, August 27, 1998. The forum will be held at Arizona State University-West, in La Sala Rooms B and C in the University Center Building, which is located at 4701 West Thunderbird. Enclosed is a draft agenda, directions and hotel information, and discussion papers on topics which will be covered in forum sessions. If you know of stakeholders who may not have had a chance to register for the forum with the USEPA Safe Drinking Water Hotline, please note that walk-in registrations will be accepted on the day of the forum.

The purpose of the perchlorate stakeholders forum is to disseminate information on the key scientific issues, hear stakeholder concerns, and identify additional issues related to potential perchlorate contamination in the environment. At the start of the forum, we will propose a set of ground rules to ensure that all participants can express questions and concerns during the course of the forum.

On the day of the forum, please make sure to stop at a registration table to pick up your nametag and packet of materials. Registration tables will open at 7:30 a.m. If possible, please bring a travel mug with you for beverages so that we can reduce the amount of solid waste produced at the forum. If you have additional logistical questions about the perchlorate stakeholders forum, please contact the USEPA Safe Drinking Water Hotline at 1-800-426-4791.

Thank you for your interest and we look forward to your participation in the perchlorate stakeholders forum.

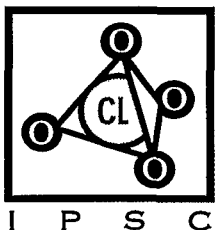
Sincerely,


The Interagency Perchlorate Steering Committee

Enclosures

MEMBERS AS OF AUGUST 1998

U.S. ENVIRONMENTAL PROTECTION AGENCY, DEPARTMENT OF DEFENSE, AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY,
NATIONAL INSTITUTE FOR ENVIRONMENTAL HEALTH SCIENCES, NATIONAL AERONAUTICS & SPACE ADMINISTRATION,
BUREAU OF INDIAN AFFAIRS, ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY, ARIZONA DEPARTMENT OF HEALTH SERVICES,
CALIFORNIA DEPARTMENT OF HEALTH SERVICES, NEVADA DIVISION OF ENVIRONMENTAL PROTECTION,
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION, UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY,
UTAH DEPARTMENT OF HEALTH LABORATORIES, COCOPAH TRIBE, COLORADO RIVER INDIAN TRIBES,
FORT MOJAVE TRIBE, CHEMEHUEVI TRIBE, QUECHAN TRIBE



Perchlorate Stakeholders Forum

Sponsored by the

Interagency Perchlorate Steering Committee

August 27, 1998 • Phoenix, Arizona

Arizona State University - West, La Sala Rooms B and C,
University Center Building, 4701 West Thunderbird

Draft Agenda (as of 8/18/98)

7:30 - 8:30 a.m.

Check-in and walk-in registration

8:30 - 8:40 a.m.

Administrative Announcements

Catherine McCracken, Superfund Division, USEPA Region 9, San Francisco, CA

8:40 - 8:45 a.m.

Welcome

Glenn Irvin, Vice Provost, Arizona State University-West, Phoenix, AZ

8:45 - 9:15 a.m.

Opening Remarks

John Lewis, Chairman, Inter Tribal Council of Arizona, Phoenix, AZ

Russell Rhoades, Director, Arizona Department of Environmental Quality, Phoenix, AZ

Keith Takata, Director, Superfund Division, United States Environmental Protection Agency Region 9, San Francisco, CA

9:15 a.m. - 10:00 a.m.

SESSION 1 - Background

Overview and History of the Perchlorate Problem

Time-line for Ongoing Activities on Perchlorate

Lt. Col. Dan Rogers, U.S. Air Force, Wright Patterson Air Force Base, OH

Perchlorate Occurrence

Kevin Mayer, Superfund Division, USEPA Region 9, San Francisco, CA

Dale Ohnmeiss, Program Development and Outreach Unit, Arizona Department of Environmental Quality, Phoenix, AZ

10:00 a.m. - 10:15 a.m.

BREAK

10:15 a.m. - 11:45 a.m.

SESSION 2 - Perchlorate Health Effects/Toxicity

Status and Strategy of Ongoing Studies

Development of Revised Reference Dose/Risk Assessment

Annie Jarabek, National Center for Environmental Assessment, USEPA, Research Triangle Park, NC

David Mattie, U.S. Air Force Research Lab, Wright Patterson Air Force Base, OH

External Peer Review of Risk Assessment

Peter Grevatt, Office of Solid Waste and Emergency Response, USEPA, Washington, DC

Update – Office of Water Regulatory and Policy Activities
Mike Osinski, Office of Water, USEPA, Washington, DC

11:45 a.m. - 12:15 p.m. Facilitated Discussion

Facilitator: Catherine McCracken, Superfund Division, USEPA Region 9, San Francisco, CA

12:15 p.m. - 1:15 p.m. LUNCH

1:15 p.m. - 2:00 p.m. SESSION 3 -Analytical Methods

Chemistry of Perchlorate/Background on Analytical Techniques

Analysis of Perchlorate by Ion Chromatography (IC)

Interlaboratory Study on the Performance of IC Methods

Anion Interference Study/Stability Study

Effects of Methods Parameters

David Tsui, U.S. Air Force, Wright Patterson Air Force Base, OH

2:00 p.m. - 2:15 p.m. BREAK

2:15 p.m. - 3:00 p.m. SESSION 4 - Ecological Impacts/Transport and Transformation

Introduction/Background/Transport and Transformation

Historical Studies/Applicability

Proposed Activities - Data Gaps/Future Direction

Cornell Long, Human Systems Center, Brooks Air Force Base, TX

Ron Porter, Human Systems Center, Brooks Air Force Base, TX

3:00 p.m. - 3:30 p.m. Facilitated Discussion

Facilitator: Vicky Semones, Superfund Division, USEPA Region 9, San Francisco, CA

3:30 p.m. - 3:45 p.m. BREAK

3:45 p.m. - 4:30 p.m. SESSION 5 - Treatment Technology

Background/Introduction to Past and Current Treatment Studies

Biological Treatment of Wastewater

Biological Treatment of Low Level Perchlorate Contamination

Perchlorate Treatment by Ion Exchange

Perchlorate Treatment by Enhanced Coagulation and Advanced Oxidation Membranes

Future Treatment Studies

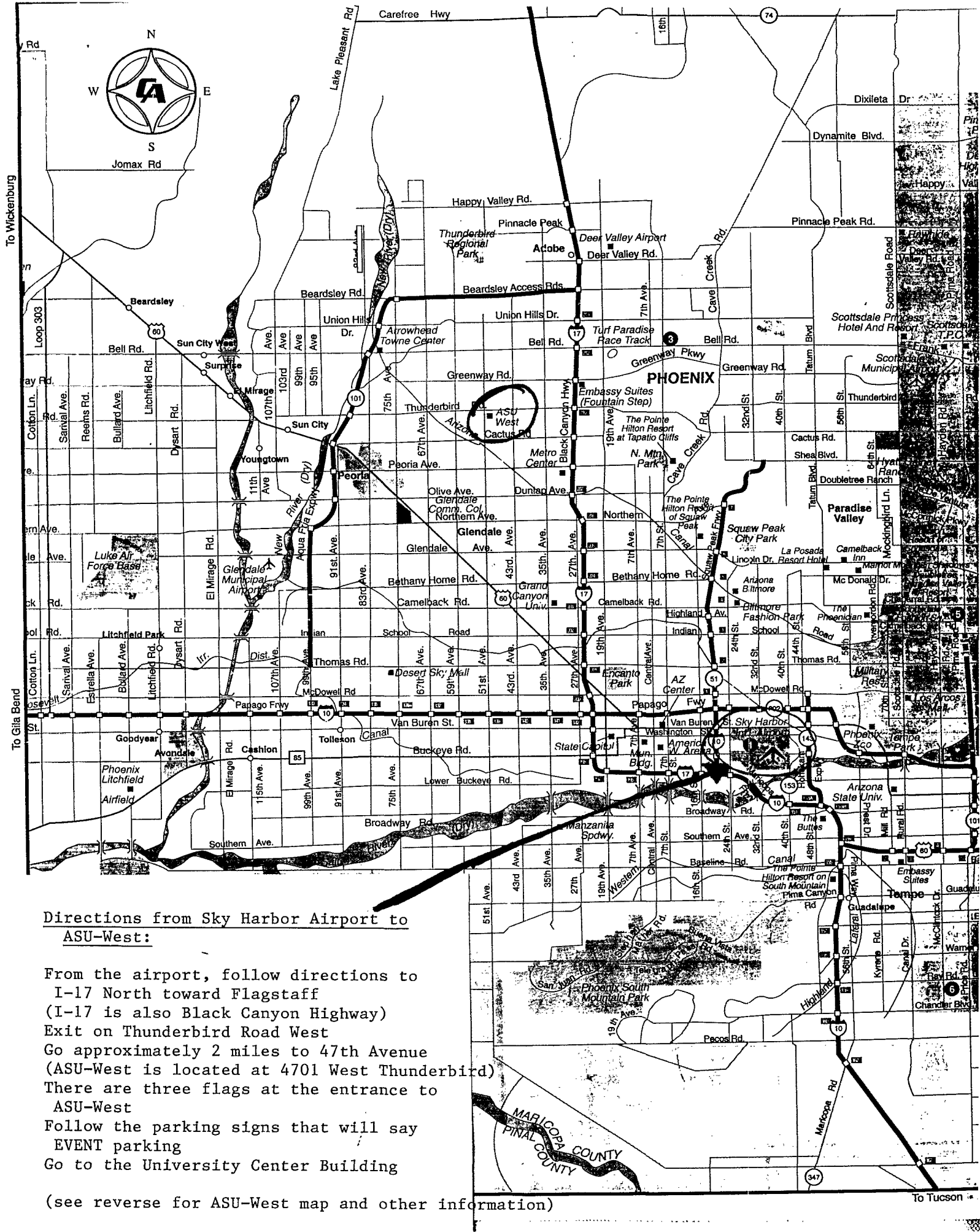
Jim Hurley, U.S. Air Force Research Lab, Tyndall Air Force Base, FL

4:30 p.m. - 5:00 p.m. Facilitated Discussion

Facilitator: Vicky Semones, Superfund Division, USEPA Region 9, San Francisco, CA

5:00 p.m. - 5:30 p.m. Session 6 - Summary & Closing

Wrap-up & Next Steps



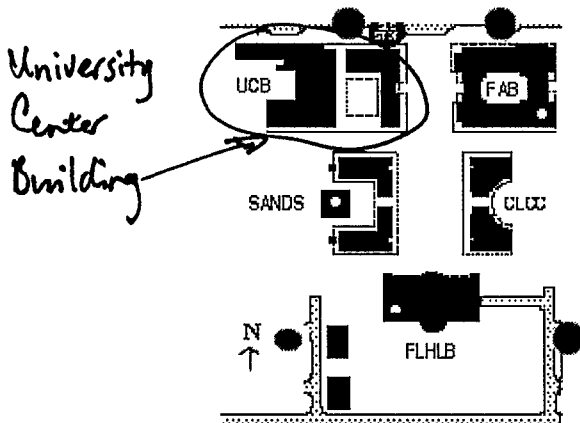
Directions from Sky Harbor Airport to
ASU-West:

From the airport, follow directions to
I-17 North toward Flagstaff
(I-17 is also Black Canyon Highway)
Exit on Thunderbird Road West
Go approximately 2 miles to 47th Avenue
(ASU-West is located at 4701 West Thunderbird)
There are three flags at the entrance to
ASU-West
Follow the parking signs that will say
EVENT parking
Go to the University Center Building

(see reverse for ASU-West map and other information)

Directions to ASU West

ASU West is located on West Thunderbird Road between 43rd and 51st Avenues. Visitor parking is located at the 47th Avenue entrance.



● Disabled Parking

There are five main buildings on the campus.

Fletcher Library (FLHLB) is directly south of the campus entrance. At the north end of the campus you'll find student services located in University Center Building (UCB) and all academic programs in the Faculty Administration Building (FAB). Conferences and large meetings are generally in the UCB La Sala rooms. Our two classroom buildings, the Classroom/ Lab/Computer Classroom (CLCC) Building and Sands Building are in the middle of the campus.

From **Tempe**: Drive north on Rural Road across the Salt River bridge. Take the Red Mountain Freeway (#202) west to I-10. Stay on I-10 through downtown Phoenix and take I-17 north (about 10 miles) to the Thunderbird Road West exit. Proceed west on Thunderbird Road to the 47th Avenue entrance to campus. Follow the signs for visitor parking.

From **Scottsdale**: Take Cactus Road west to the 47th Avenue entrance to campus. (Cactus Road changes its name to Thunderbird Road when it crosses Cave Creek Road). Follow the signs for visitor parking.

From **Sun City**: Take Bell Road east to 51st Avenue. Turn right (south) and proceed to Thunderbird Road. Turn left (east) on Thunderbird Road and proceed to the 47th Avenue entrance to campus. Follow the signs for visitor parking.

From the **North**: Take I-17 south to the Thunderbird Road exit. Proceed west on Thunderbird Road to the 47th Avenue entrance to campus. Follow the signs for visitor parking.

If you're coming from the Main Campus, you may be interested in taking the

ASU West Express Shuttle Service

Email to Arizona State University West

from: Arizona State University West Web site: <http://www.west.asu.edu>